Honeywell

Quick Start Guide

Honeywell XYR 300L Wireless I/O Transmitter Unit

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About this document

This document is the ***Honeywell XYR 300L Wireless I/O Transmitter Unit Quick Start Guide*** and contains the following sections:

Section	Read this section if you want to …
Basic steps for using your unit	Learn the basic steps for installing and using your unit.
Unit components	Understand the different parts of your unit.
Antenna installation	Learn how to install an antenna with your unit.
Resetting factory defaults	Reset your unit to the original factory default settings.
Safety information	Understand important safety information related to your unit. **NOTE**: You must read this information before installing your unit.
Specifications	Know technical information about your unit.

For more information, see the next sections.

Basic steps for using your unit

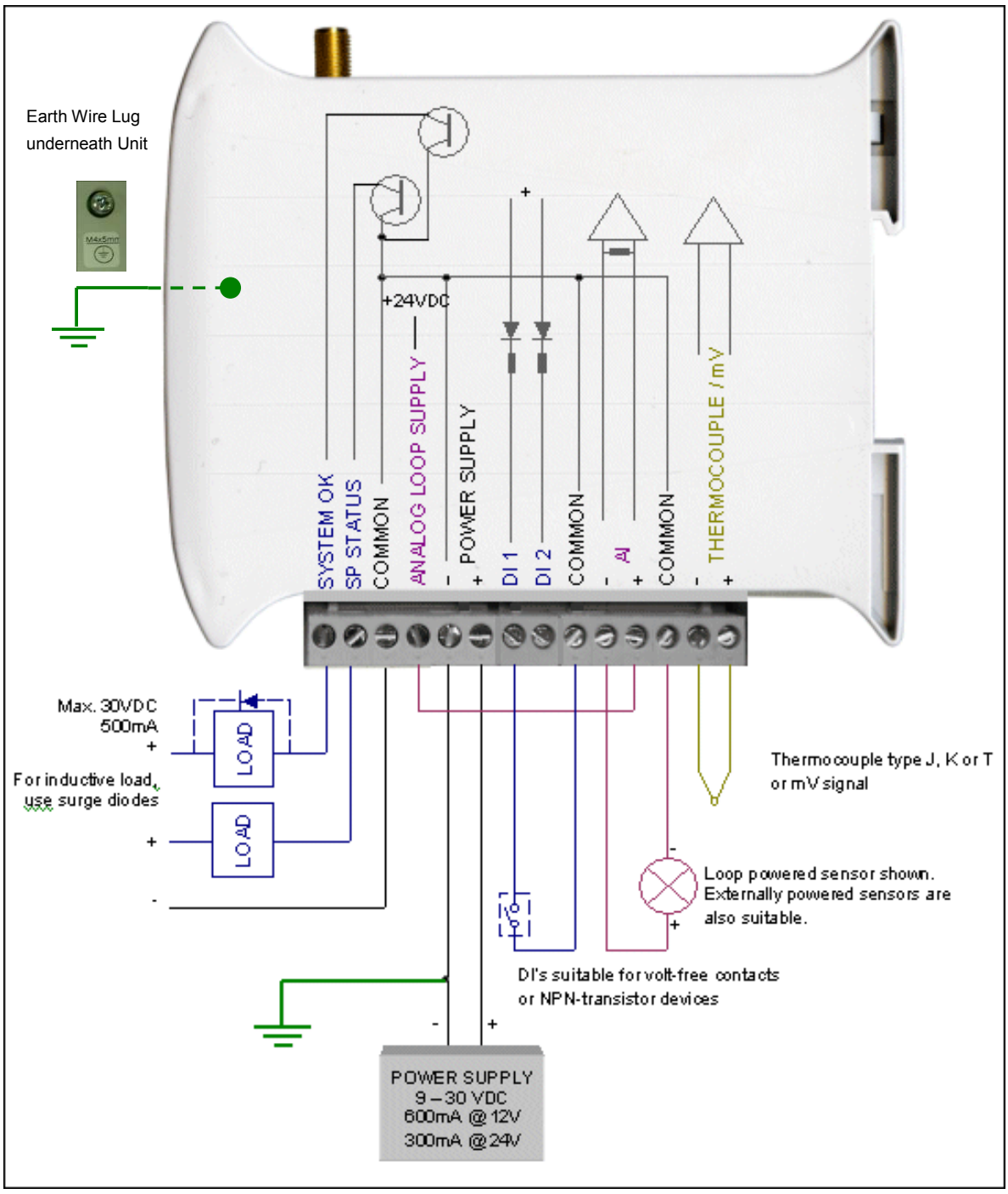
This document describes how to configure your unit using the default factory configuration that lets you easily setup your network as a simple send/receive network using a dedicated pair of transmitter and receiver units.

The basic steps for using your unit are:

1. Configure your network using the XYR 300 configuration utility. For more information on setting a user-defined customised configuration, see the ***XYR 300L User Manual***.
2. Bench test your configuration before deploying.
3. Connect the antenna, power supply and transducer signals using the instructions in this document. Power supply and transducer connection is described in the section. Antenna connection is described in the section ***Antenna installation***. For more information, see the ***XYR 300L Installation Manual***.

Unit components and connections

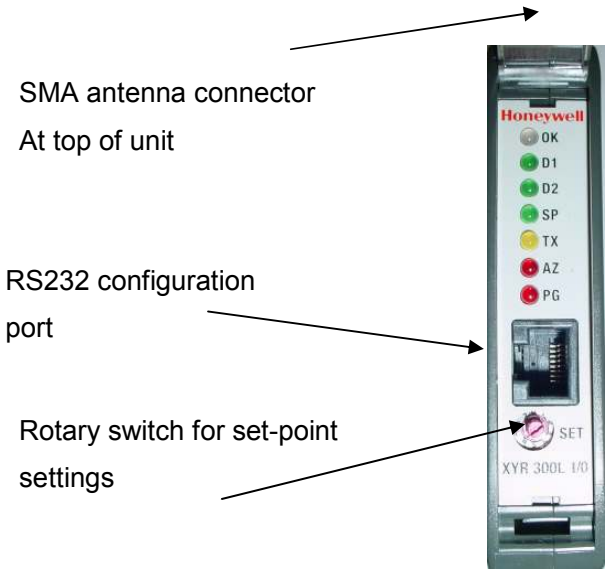
Your XYR 300L transmitter unit has the following components and terminal connections:



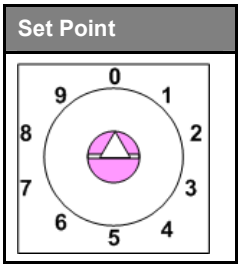
****IMPORTANT ELECTRICAL SAFETY INFORMATION****

In order to comply with Electrical Safety Regulations, this module must be installed in an Electrical AND Fire enclosure. This enclosure may be a single or multiple enclosures. Access to the module is to be made by a Service Person only.

The front panel contains the following components:



The triangle on the rotary switch indicates the current position, for example:

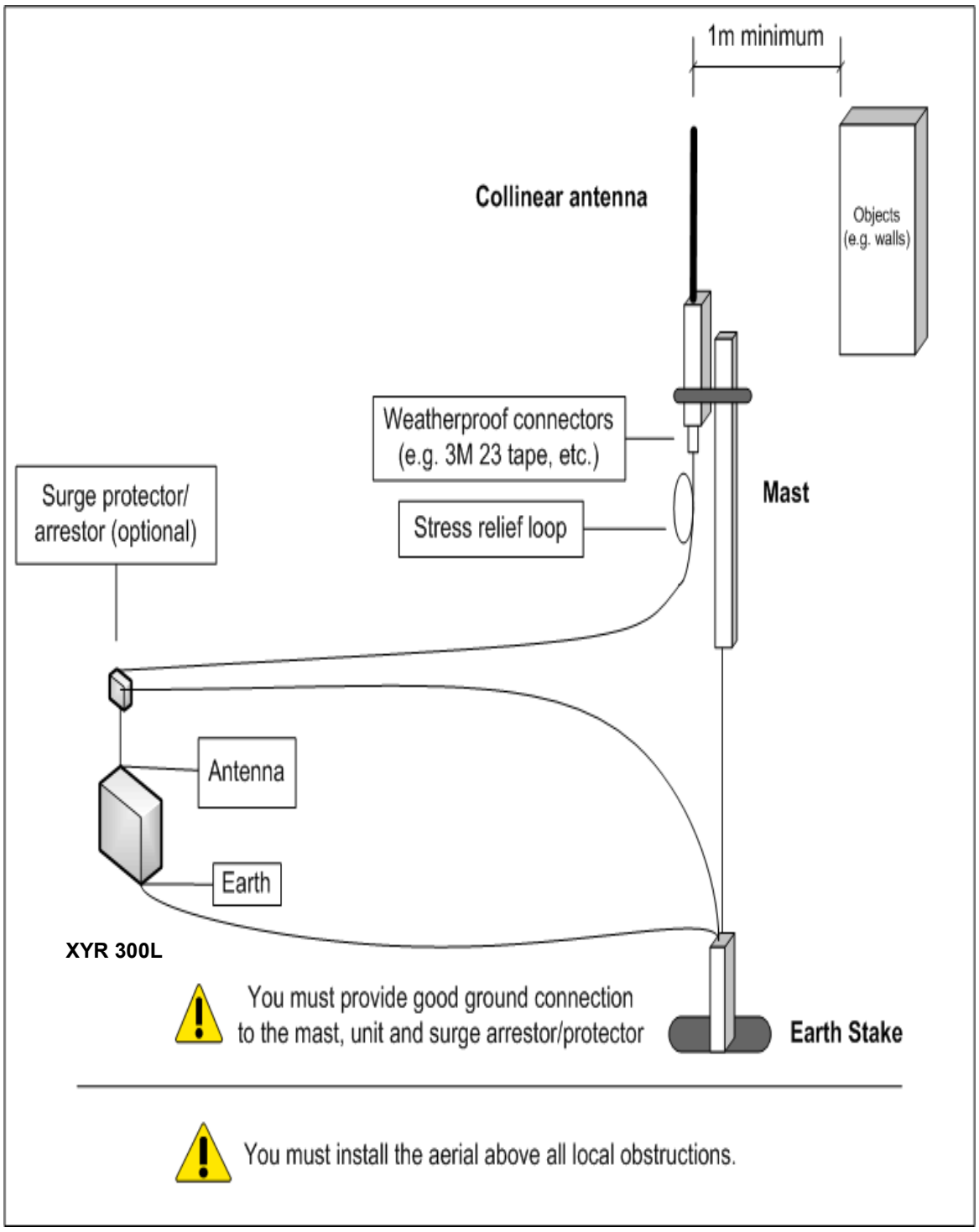


NOTE: To avoid damaging the rotary switch, use a screwdriver to change the position.

The LEDs on the front panel indicate the unit status:

LED Status	Indicates	
None	No power supply.	
OK LED Green	Current status of the unit OK.	
OK LED Red	Fault condition detected in unit.	
TX Led Flashes	Transmitting Message.	
PG LED on	Configuration Cable Connected.	
Input LED ON	Input LEDS (i.e. D1,D2, SP, AZ.) light when the corresponding input is active.	
	D1	Digital Input 1 is active (Low).
	D2	Digital Input 2 is active.
	SP	Analog Setpoint is active.
	AZ	Analog Input is zero mA
All LEDs medium flash	Medium speed flash (1.6HZ) indicates the module is half-way through the configuration process. Medium flash also happens when you set the rotary switch to position 0 when powering on the unit.	

Antenna installation



Safety information

Thank you for selecting the XYR 300L transmitter for your telemetry needs. We trust it will give you many years of valuable service. To ensure your 905U-L transmitter enjoys a long life, double-check **ALL** your connections with the user's manual before powering on the unit.

WARNING: Incorrect termination of supply wires may cause internal damage and will void warranty.

Exposure to RF energy is an important safety consideration. The FCC has adopted a safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated equipment as a result of its actions in Docket 93-62 and OET Bulletin 65 Edition 97-01.

FCC Notice when used in USA: XYR 300L Wireless I/O Module

Part	Additional information
15	This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part15 of the FCC rules (Code of Federal Regulations 47CFR Part 15). Operation is subject to the condition that this device does not cause harmful interference.

This device complies with Part 15.247 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference; and
- This device must accept any interference received, including interference that may cause undesired operation

Industry Canada: XYR 300L Wireless I/O Module

RSS-119 - This device has been type accepted for operation by Industry Canada in accordance with RSS-119 of the Industry Canada rules. See the label on the unit for the specific Industry Canada certification number and any other certification designations.

NOTE: Any changes or modifications not expressly approved could void the user's authority to operate this equipment.

Safety information

NOTE: This equipment is suitable for use in Class 1 Division 2 groups A, B and C or non-hazardous locations only.

Unit specifications

Input/output	Number	Additional information
Digital inputs	2	Dry-contact digital inputs slow-pulsed at 10Hz. All inputs are suitable for voltage free contacts (e.g. mechanical switches) or NPN transistor devices (e.g. electronic proximity switches). **NOTE**: PNP transistor device inputs are NOT suitable.
Analog inputs	1	0-20mA differential input; 16-bit resolution, 0.1% accuracy, 10 ohm input impedance.
Thermocouple inputs	1	J, K or T type thermocouple with on-board cold-junction compensation. Cold junction compensation accuracy ±1º over ambient temp range: -40º to +70ºC.
Power supply	1	9-30 VDC 1 Amp CSA certified Class 2 power supply. For use in Class 1 Div 2 explosive areas, the power supply must be approved for Class 1 Div 2 use. WARNING: Explosion hazard - do not disconnect while circuit is live unless area is known to be non-hazardous.
Transmitter	1	1 Watt Frequency Hopping Spread Spectrum (FHSS) Transmitter.
Frequency	902-928 MHz	Actual frequency range depends on country.

Document information

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